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(Rev. 9-94)U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
41817-0002Serial No.
09/918,106

INFORMATION DISCLOSURE STATEMENT

(use several sheets if necessary)

APPLICANT
IceFyre Semiconductor CorporationFILING DATE
07/30/2001GROUP
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U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
LB	5,636,247	June 3, 1997	Kamerman, et al			
11	5,771,224	June 23, 1998	Seki, et al			
61	5,848,107	Dec. 8, 1998	Philips			
4	6,175,550	Jan. 16, 2001	van Nee			
11	6,175,551	Jan. 16, 2001	Awater, et al			
4	6,205,220	Mar. 20, 2001	Jacobsen, et al			
4	6,252,908	June 26, 2001	Tore			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						yes	no
LB	2,064,975	1999/07/27	Canada				x

OTHER INFORMATION (including author, title, date, pertinent pages, etc.)

LB	LARS SUNDSTRÖM, <i>The Effect of Quantization in a Digital Signal Component Separator for LINC Transmitters</i> , IEEE Transactions on Vehicular Technology, vol. 45, No. 2, May 1996, pages 346 to 352
11	CHRISTOPHER B. HASKINS, <i>Diode Predistortion Linearization for Power Amplifier RFICs in Digital Radios</i> , Thesis submitted to the faculty of the Virginia Polytechnic Institute and State University, April 17, 2000 Blacksburg, VA
11	BOB STENGEL and WILLIAM R. EISENSTADT, <i>LINC Power Amplifier Combiner Method Efficiency Optimization</i> , IEEE Transactions on Vehicular Technology, vol. 49, No. 1, January 2000, pages 229 to 234
1	FERNANDO J. CASADEVALL and ANTONIO VALDOVINOS, <i>Performance Analysis of QAM Modulations Applied to the LINC Transmitter</i> , IEEE Transactions on Vehicular Technology, vol. 42, No. 4, November 1993, pages 399 to 406



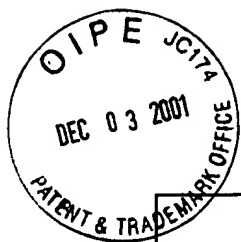
5/	LARS SUNDSTRÖM, <i>Digital RF Power Amplifier Linearisers, Analysis and Design</i> , Department of Applied Electronics, Lund University, August 1995
//	BO SHI and LARS SUNDSTRÖM, <i>A 200MHz IF BiCMOS Chip for Linear LINC Transmitters</i> , Analog and RF Group, CCCD, Department of Applied Electronics, Lund University, Undated .
//	XUEJUN ZHANG and LAWRENCE E. LARSON, <i>Gain and Phase Error-Free LINC Transmitter</i> , IEEE Transactions on Vehicular Technology, vol. 49, No. 5, September 2000, pages 1986 to 1994
/	LARS SUNDSTRÖM, <i>Spectral Sensitivity of LINC Transmitters to Quadrature Modulator Misalignments</i> , IEEE Transactions on Vehicular Technology, vol. No. 4, July 2000, pages 1474 to 1487
//	LARS SUNDSTRÖM, MICHAEL FAULKNER and MATS JOHANSSON, <i>Quantization Analysis and Design of a Digital Predistortion Linearizer for Power Amplifiers</i> , IEEE Transactions on Vehicular Technology, vol. 45, No. 4, November 1996, pages 707 to 719
//	ROBERT LANGRIDGE, TODD THORNTON, PETER M. ASBECK and LAWRENCE E. LARSON, <i>A Power Re-Use Technique for Improved Efficiency of Outphasing Microwave Power Amplifiers</i> , IEEE Transactions on Microwave Theory and Techniques, vol. 47, No. 8, August 1999, pages 1467 to 1470
/	LARS SUNDSTRÖM, MICHAEL FAULKNER and MATS JOHANSSON, <i>Effects of Reconstruction Filters in Digital Predistortion Linearizers for RF Power Amplifiers</i> , IEEE Transactions on Vehicular Technology, vol. 44, No. 1, February 1995, pages 131 to 139
//	D.C. COX, <i>Linear Amplification with Nonlinear Components</i> , IEEE Transactions on Communications, December 1974, pages 1942 to 1945
/	FREDRIK TUFVESSON and OVE EDFORS, <i>Preamble-based Time and Frequency Synchronization for OFDM Systems</i> ¹ , Department of Applied Electronics, Lund University, Sweden, September 1999
(M. JANKIRAMAN and RAMJEE PRASAD, <i>A Novel Algorithmic Synchronisation Technique for OFDM based Wireless Multimedia Communications</i> , Centre for Wireless Personal Communication, IRCTR, Telecommunications and Traffic Systems Group, Faculty of Information Technology and Systems, Delft University of Technology, Undated

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2/3.	WOLFGANG EBERLE, VEERLE DERUDDER, LIESBET van der PERRE, GEERT VANWIJNSBERGHE, MARIO VERGARA, LUC DENEIRE, BERT GYSELINCKX, MARC ENGELS, IVO BOLSENS, HUGO de MAN, <i>A Digital 72Mb/s 64-QAM OFDM Transceiver for 5GHz Wireless LAN in 0.18 μm CMOS</i> , ISSCC 2001/Session 21/Signal Processing for Communications, February 7, 2001
/	DONGHOON LEE and KYUNGWHOOON CHEUN, <i>A New Symbol Timing Recovery Algorithm for OFDM Systems</i> , Dept. Of Electronic and Electrical Engineering, Pohang University of Science and Technology, Undated
/	JIAN LI, GUOQING LIU, and GEORGIOS B. GIANNAKIS, <i>Carrier Frequency Offset Estimation for OFDM-Based WLANs</i> , IEEE Signal Processing Letters, vol. 8, No. 3, March 2001, pages 80 to 82
/	J.M. TORRANCE and L. HANZO, <i>Comparative Study of Pilot Symbol Assisted Modem Schemes</i> , Proceedings of Radio Receivers and Associated Systems Conference, RRAS'95, 26-28 Sept. 1995, Bath, UK, pp 36-41
/	CHIEN-FANG HSU, YUAN-HAO HUANG and TZI-DAR CHIUH, <i>Design of an OFDM Receiver for High-Speed Wireless LAN</i> , Department of Electrical Engineering and Graduate Institute of Electronic Engineering, National Taiwan University, 2001
/	FLOYD M. GARDNER, <i>Interpolation in Digital Modems - Part I: Fundamentals</i> , IEEE Transactions on Communications, vol. 41, No. 3, March 1993, pages 501 to 507
/	S.A. HETZEL, A. BATEMAN, J.P. McGEEHAN, <i>LINC Transmitter</i> , Electronics Letters 9 th May 1991, vol. 27 No. 10, February 28, 1991, pages 844 to 846
/	AYESHA T. HUQ, ERDAL PANAYIRCI and COSTAS N. GEORGHIADES, <i>ML NDA Carrier Phase Recovery for OFDM Systems</i> , Texas Instruments Inc., Semiconductor Group, DSP Applications, and Department of Electrical Engineering, Texas A&M University, Undated
/	DUŠAN MATIĆ, NICOLAS PETROCHILOS, ANTÓNIO TRINDADE, FRITS SCHOUTE, PIERRE COMON, RAMJEE PRASAD, <i>OFDM Synchronisation based on the Phase Rotation of Sub-carriers</i> , Telecommunications and Traffic Control System Group, Delft University of Technology, the Netherlands; International Research Centre of Telecommunication and Radar, Delft University of Technology, the Netherlands; Philips Business Communications, Hilversum, the Netherlands; Aalborg University, Aalborg, Denmark; I3S-CNRS, University of Sophia-Antipolis, France, Undated

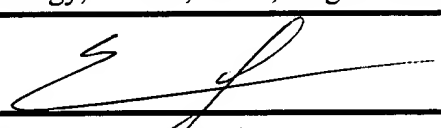
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21	FERNANDO J. CASADEVALL and ANTONIO VALDOVINOS, <i>Performance Analysis of QAM Modulations Applied to the LINC Transmitter</i> , IEEE Transactions on Vehicular Technology, vol. 42, No. 4, November 1993, pages 399 to 406
11	DR. A. BATEMAN, <i>The Combined Analogue Locked Loop Universal Modulator (CALLUM)</i> , Centre for Communications Research, University of Bristol, 1992
11	JAN-JAAP van de BEEK, PER OLA BÖRJESSON, MARIE-LAURE BOUCHERET, DANIEL LANDSTRÖM, JULIA MARTINEZ ARENAS, PER ÖDLING, CHRISTER ÖSTBERG, MATTIAS WAHLQVIST, SARAH KATE WILSON, <i>A Time and Frequency Synchronization Scheme for Multiuser OFDM</i> , paper presented in part at the 48 th IEEE Vehicular Technology Conference, VTC'98, May 18-21, Ottawa, Ontario, Canada
11	LARS ERUP, FLOYD M. GARDNER and ROBERT A. HARRIS, <i>Interpolation in Digital Modems - Part II: Implementation and Performance</i> , IEEE Transactions on Communications, vol. 41, No. 6, June 1993, pages 998 to 1008
11	WILLIAM D. WARNER and CYRIL LEUNG, <i>OFDM/FM Frame Synchronization for Mobile Radio Data Communication</i> , IEEE Transactions on Vehicular Technology, vol. 42, No. 3, August 1993, pages 302 to 313
EXAMINER 	
DATE CONSIDERED 6/29/02	
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